

## ABSTRACT OF THE DISCLOSURE

It is an object to obtain a self-synchronization type block processing apparatus which does not need to optimize a clock path to be distributed to each block in a clock phase management at an upper level, and can suppress an increase in a circuit scale and  
5 can minimize an increase in a design period by circuit tuning. A local block control circuit comprises an end detecting section for receiving a plurality of complete signals, a transfer control section for generating a stop signal having a negative logic to determine whether or not a system clock is supplied to a processing block upon receipt of an end  
10 signal output from the end detecting section, the system clock and a handshaking control signal, and a logical AND gate for generating an in-block clock based on the stop signal having the negative logic which is output from the transfer control section and the system clock.